

Table 1 - Summary of Final Remediation Goals Established by EPA for PCBs
OUI Record of Decision—Allied Paper, Inc./ Portage Creek/Kalamazoo River Superfund Site

Medium	Pathway	Exposure Scenario	PCB FRG	Basis
Soils	Human Health	Residential	1.0 mg/kg ^a	40 CFR § 761.61(a)(4)
		Non-Residential	10 mg/kg ^b	40 CFR § 761.61(a)(4)
		Recreational	23 mg/kg ^c	HHRA
	Ecological	Aquatic	0.5–0.6 mg/kg	BERA
		Terrestrial	6.5–8.1 mg/kg	BERA
Subsurface Soils	Human Health	Residential	1.0 mg/kg ^a	40 CFR § 761.61(a)(4)
		Non-Residential	10 mg/kg ^b	40 CFR § 761.61(a)(4)
Surface and Subsurface Sediments	Human Health	Recreational	23 mg/kg ^c	HHRA
		Terrestrial	6.5–8.1 mg/kg	BERA
		Fish Consumption	0.33 mg/kg ^{c,d}	HHRA
	Ecological	Aquatic	0.5–0.6 mg/kg	BERA
Groundwater (including seeps)	Human Health	Direct Contact	3.3 µg/L ^e	MI Part 201 direct contact criteria
		Groundwater-Surface Water Interface (GSI)	0.2 µg/L ^f	MI Part 201 GSI criteria
Residuals	N/A	Qualitative: Where an excavation is proposed, all visible residuals are to be removed unless analytical data are available to confirm PCBs (if present) are below applicable criteria.		

Notes:

^aBased on high-occupancy cleanup level (without conditions) set forth in 40 CFR § 761.61(a)(4).

^bBased on 40 CFR § 761.61(a)(4) with restrictive covenant prohibiting residential use.

^cBased on recreational exposure as developed in HHRA.

^dDefault sediment criteria of 0.33 mg/kg will be applied to shallow soil in areas of periodic inundation due to the potential runoff of shallow soils into surface water. Evaluation of contaminated soil runoff to surface water required under R299.5728(f).

^eGroundwater for use as drinking water is not considered a complete pathway so the Part 201 Drinking Water criteria of 0.5 microgram per liter (µg/L) was not used. The Part 201 direct contact criteria were used for protection of human health due to the presence of seeps.

^fThe groundwater criteria protective of surface water is a FRG where the GSI is present (MCL 324.20120e and Part 31). BERA = baseline ecological risk assessment; HHRA = human health risk assessment; mg/kg = milligrams per kilogram;

N/A = not applicable

Source: CH2M HILL 2009